



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION 5
77 WEST JACKSON BOULEVARD
CHICAGO, IL 60604-3590

US EPA RECORDS CENTER REGION 5



565723

978484

REPLY TO THE ATTENTION OF:

October 11, 1996

Non-responsive, PII

Dear Non-responsive, PII:

As part of its investigation to identify properties in the West Chicago, Illinois, area that may be contaminated with radioactive thorium mill tailings from the Kerr-McGee West Chicago Rare Earths Facility, the United States Environmental Protection Agency (EPA) has tested your property located at Non-responsive, PII

For purposes of determining which properties in the West Chicago area require cleanup, EPA has established a cleanup criterion of 5 picoCuries per gram (pCi/g) above background for total radium in soil. Background has been established at 2.2 pCi/g. Therefore, properties exceeding 7.2 pCi/g total radium in soil require cleanup.

The EPA testing of your property was conducted on July 14 and July 27, 1995, and consisted of the following:

- an outdoor radiological walkover survey of the property
- an indoor radiological survey of the basement/crawlspace

Based on EPA's testing, no areas of your property were found to exceed EPA's cleanup criterion. Therefore, no cleanup of your property is required.

Thank you very much for your cooperation and patience during EPA's investigation of your property. Please feel free to contact me at (312) 886-4760 if you have any further questions.

Sincerely,

Rebecca Frey
Remedial Project Manager/On-Scene-Coordinator
Superfund Division

bcc: Alta Turner, CH2M Hill
Leisa Flora, CH2M Hill
Tim Runyon, IDNS
Dan White, Kerr-McGee

Summary of Sample Collection by Parcel

29-Mar-96

Non-responsive, Pli

Analysis	Sample Id	Location	Depth	Duplicate	Collection Date	Dose Measurement	Easting	Northing
GP	010516	NA	NA	01	95/07/14			
WL	008028	NA	NA	01	95/07/27			
FL	008029	NA	NA	01	95/07/27			
BI	008030	NA	NA	01	95/07/27			

GP: Gamma Walkover Survey

M1: In Situ Gamma Spectroscopy

Radiological Soil Samples

IC: Composite Soil Sample

IG: Discrete (uncomposited) Soil Sample

IM: Composite Soil Sample Packed in Marinelli in the Field

Metal Soil Samples

CC: Composite Soil Sample

CG: Discrete (uncomposited) Soil Sample

WL: Indoor Gamma Wall Scan

FL: Indoor Gamma Floor Scan

BI: Indoor Dose Measurement

RP: Indoor Radon/Thoron Gas Measurement

SG: Supplementary Gamma Measurement

Consent for Access to Property

Owner Name and Address:

Non-responsive, PII

Owner Daytime Phone:

Owner Night/Weekend Phone:

Non-responsive, PII

I consent to officers, employees, and authorized representatives of the U.S. Environmental Protection Agency (EPA) entering and having access to my property which is listed below for the purpose of:

1. Conducting above-ground radiation surveys using hand-held instruments;
2. Collecting shallow (less than 1 ft below ground surface) soil samples, if needed;
3. Performing indoor gamma surveys and installing an air monitoring device, if needed;
4. If contamination above EPA's criteria is found, excavating and removing affected soils, followed by restoration of the property; and
5. Performing verification sampling activities during and after excavation.

This written permission is given by me voluntarily with knowledge of my right to refuse and without threats or promises of any kind. I understand that the EPA or authorized representatives of the EPA will attempt to contact me one week in advance before conducting any survey or cleanup/verification activities. I understand that if cleanup of my property is required, the EPA authorized representative conducting the cleanups will meet with me prior to the removal of any soil from my property. I understand that if soil samples are collected or cleanup of my property is required that the property will be restored, to the extent practicable, to its original condition or such other condition as arranged by me with EPA's authorized representative.

This agreement is for comprehensive surveys to be performed during EPA's primary investigation and any required cleanup and verification activities. I hereby grant access to my property for these purposes, and certify that I am the owner of the property whose address is shown below:

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Corrections:

Current Resident:

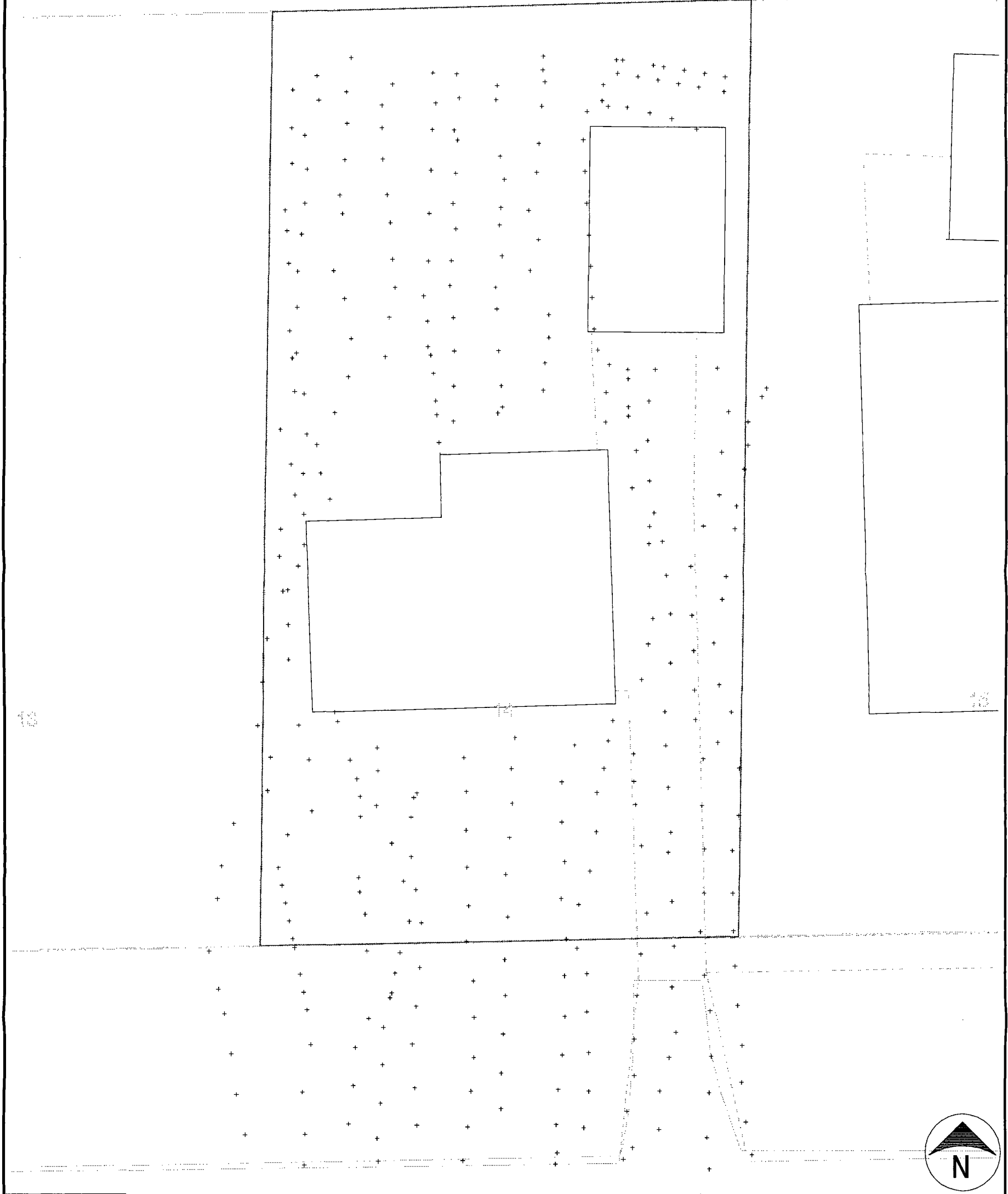
Non-responsive, PII

Signature of Property Owner

Date

5-15-95

Please return signed agreement to: Rebecca Frey, USEPA, HSRL-6J, 77 West Jackson Blvd, Chicago, IL 60604-3590



Kerr-McGee Residential Properties RI/FS
West Chicago, Illinois

0 20 ft

GPS GAMMA SURVEY:
Parcel Non-responsive, PII

Sample #010516

Potential Remediation Area

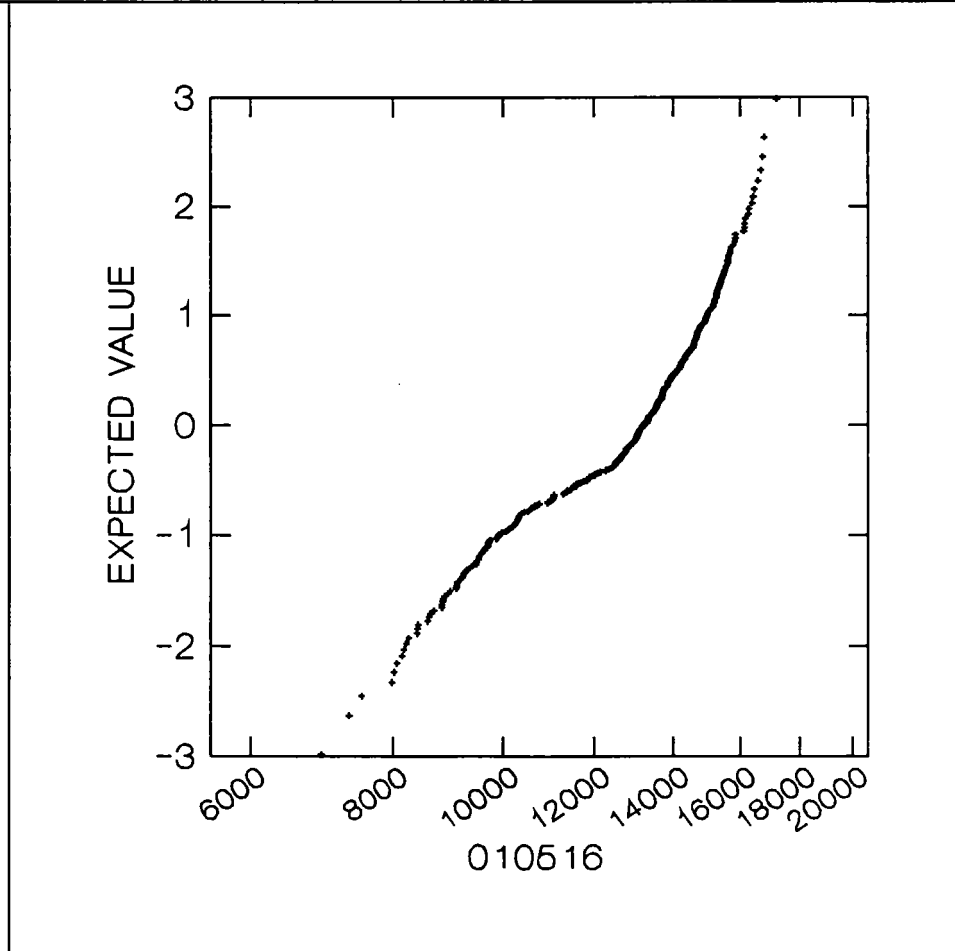
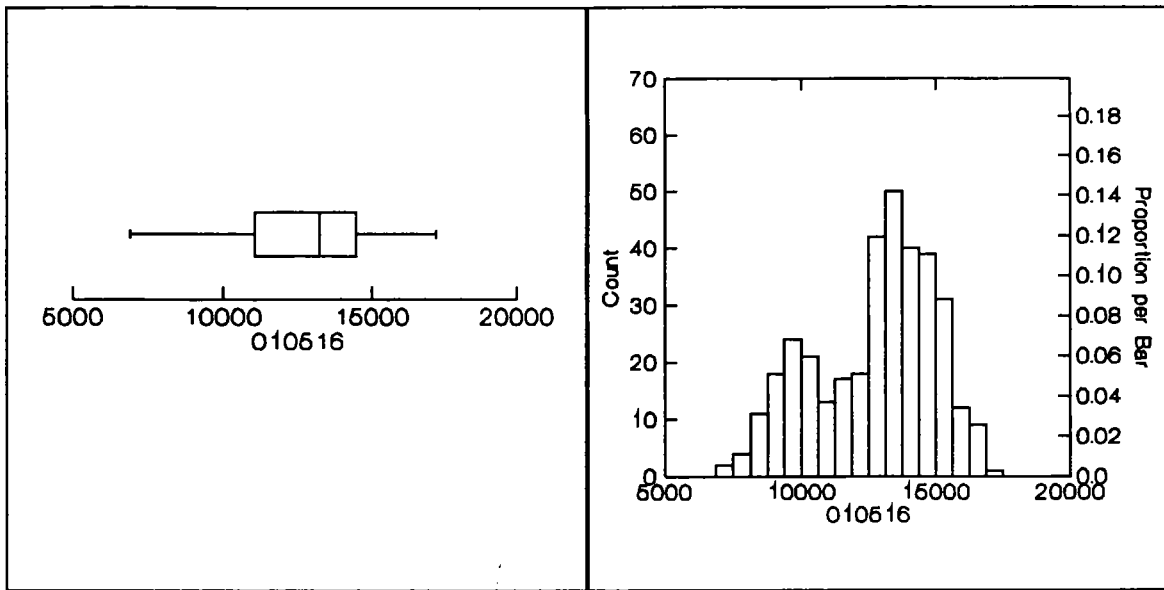
0 sq.yds. in property
0 sq.yds. in property

Supplemental Data

● Potential Remediation Area
○ No Remediation

TOTAL SURVEY AREA: 0.128 Acres

① M1 Sample Location (5 Meter Radius)
+ GPS/Gamma Survey Point



Gamma Radiation Measurements (cpm)
Gamma Walkover Survey
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Floor Data

Sample ID	Floor	Count	Min CPM	Max CPM	Avg CPM
8029	1	54	4882	7452	5912
8029	2	22	4620	6363	5516
8029	3	17	4771	5581	5198

Wall Data

Sample ID	Wall	Count	Min CPM	Max CPM	Avg CPM
8028	1	27	5423	9155	6765
8028	2	23	5356	7861	6431
8028	3	41	4982	8080	6047
8028	4	18	4813	7072	5818
8028	5	22	4595	6890	5530
8028	6	27	4768	6317	5456
8028	7	12	4867	8061	6313

Dose data

Sample ID	Location	microrem/hr	Gamma CPM
8030	2	9	7521
8030	3	7	7751

Radon/Thoron Data

NO RADON/THORON DATA AVAILABLE

Phase II Indoor Surveys

Address
Parcel ID

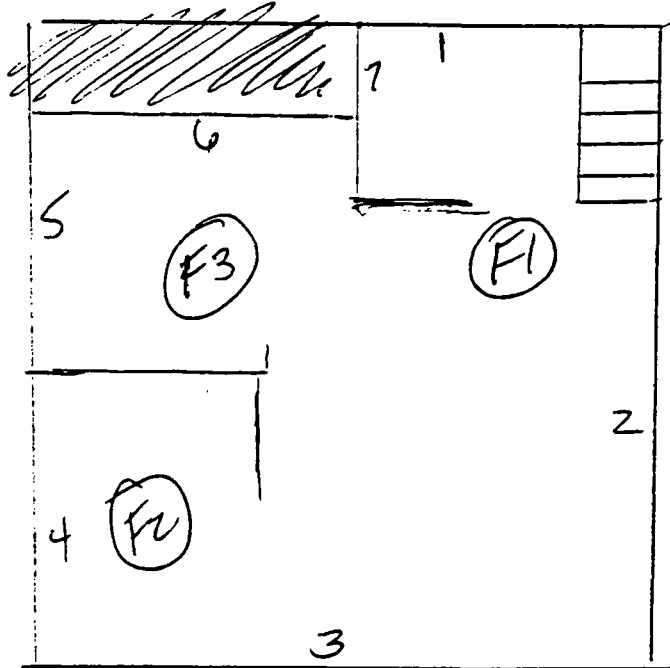
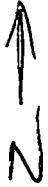
Non-responsive, PII

Surveyor
Scribe
Date/Time

L Thompson
M Marshall
7/27/95 1300

Dose Loc.

2, 3



Non-responsive, PII

Notes:

Basement w/ concrete floor/walls

WALL



008028

Dup

FLOOR



008029

Dup

DOSE



008030

Dup

RPISU

Bar Code 1

Dup